

CITY OF ST. CHARLES

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ORDINANCE NO. 1993-M-59

AN ORDINANCE AMENDING TITLE 15  
"BUILDING AND CONSTRUCTION" CHAPTER 15.04  
"BUILDING CODE" OF THE ST. CHARLES MUNICIPAL CODE

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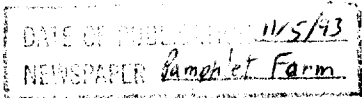
ADOPTED BY THE  
CITY COUNCIL  
OF THE  
CITY OF ST. CHARLES  
THIS 1ST DAY OF NOVEMBER, 1993

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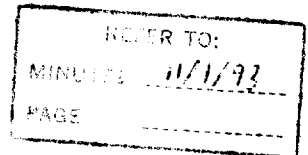
PUBLISHED IN PAMPHLET FORM BY  
AUTHORITY OF THE CITY COUNCIL  
OF THE CITY OF ST. CHARLES,  
KANE AND DU PAGE COUNTIES,  
ILLINOIS, THIS 5th DAY OF  
NOVEMBER, 1993.

  
CITY CLERK

(S E A L)



ORDINANCE NO. 1993-M-59



AN ORDINANCE AMENDING TITLE 15  
"BUILDING AND CONSTRUCTION" CHAPTER 15.04  
"BUILDING CODE" OF THE ST. Charles MUNICIPAL CODE

BE IT ORDAINED by the CITY COUNCIL of the CITY OF ST. Charles, KANE AND DuPAGE COUNTIES, ILLINOIS, THAT:

1. Title 15, "Building and Construction", Chapter 15.04 "Building Code" of the St. Charles Municipal Code, be and is hereby amended by deleting Sections 15.04.010, 15.04.030 and 15.04.040 and substitute the following:

15.04.010 Building Code: Adopted - Modifications.

The provisions of the Twelfth edition of the BOCA NATIONAL BUILDING CODE/1993, compiled by the Building Officials and Code Administrators International, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, not less than three copies of which have been and now are filed in the Office of the clerk of the City of St. Charles, Illinois and hereby adopted together with the special regulations listed below modifying said BOCA NATIONAL BUILDING CODE/1993 as the regulations governing the construction of buildings except for single family residences which are covered by Section 15.04.020.

Amendments to the BOCA NATIONAL BUILDING CODE, 1993 edition.

A. Article 1 - ADMINISTRATION.

Sections 101.1 through 121.7 are deleted in their entirety, as the City has provided for the same under Chapter 15.101 of the Municipal Code of the City of St. Charles.

B. Section 202.0 - General Definitions.

The following definitions for "Town/Rowhouse" and "Condominium" are added to Section 202.0:

"Townhouse/Rowhouse: A townhouse or rowhouse or similar structure by any other name performing the same function is a single-family dwelling unit when attached to another dwelling unit only of the horizontal plane. Such building shall be constructed as a single-family house with an approved two hour, fire resistive rate, solid masonry wall assembly between living units. For walls and openings within 6 feet of adjacent buildings or property lines, a two hour fire resistance rating shall be provided.

Where multiple dwelling units are attached to each other and do not meet this definition, they shall be considered as multiple family residential construction, Use Group R-2.

Condominium: A condominium is a form of ownership. Buildings or portions thereof, constructed under the Building Code shall be in keeping with its use and occupancy. Each condominium shall be classified as a separate tenant."

- C. Sections 310.4 and 310.4.1 are deleted in their entirety and the following inserted therefor:

"310.4 Use Group R-2 structures: This use group shall include all multiple-family dwellings with more than two (2) dwelling units and shall also include boarding houses, dormitories, and similar buildings arranged for shelter and sleeping accommodation in which the occupants are not transient in nature."

- D. Sections 310.5 and 310.5.1 are deleted in their entirety and the following inserted therefor:

"310.5 Child Care Facilities: A child care facility in a single family building which accommodates five or less children of any age shall be classified as a single family use; the provisions of Ordinance 1985-M-50 shall apply to this facility."

- E. Section 310.6 - Use Group R-4 Structures - is deleted in its entirety and the following inserted therefor:

"310.6 Use Group R-4 Structures: This use group shall include all detached one or two family dwellings not more than three stories in height, and the accessory structures thereto as regulated by Chapter 15.04 Building Code, Section 15.04.020 One and Two Family Residences of the St. Charles Municipal Code, or in accordance with the requirements of this code applicable to Use Group R-3."

- F. Section 313.4 Multiple Tenants shall be appended to Section 313 and shall read as follows:

"313.4 Multiple Tenants: When a building is divided into two or more tenant spaces, each tenant space shall be separated both horizontally and vertically by an assembly having a one hour or greater fire resistance rating."

- G. Article 4 "Special Occupancies" hereby has the following general amendment provided as a Special Provision as provided for within this Code:

" Article 4 Special Occupancies - Special Provisions: Section 416.0 HPM FACILITIES; 417.0 HAZARDOUS MATERIALS; 418.0 USE

GROUPS H-1, H-2, H-3, and H-4; and 419.0 FLAMMABLE FINISHES are not permitted Uses: All such uses described are not permitted uses except by specific analysis of the products, processes, and applications involved on a case by case basis by the Building Official and Fire Chief."

- H. Section 402.5 Egress shall be amended by appending Sections 402.5.10 through 402.5.11.2 thereto; which Sections shall read as follows:

"402.5.10 Security Grills and Doors: Horizontal sliding or vertical rolling security grills or doors which are part of the required means of egress shall conform to the following:

Section 402.5.10.1 Open Position: Grills and doors must remain secured in the full open position during the period of occupancy by the general public.

Section 402.5.10.2 Closed Position: Doors and grills shall not be brought to the closed position when occupied by any persons of the general public.

Section 402.5.10.3 Operations: The doors or grills shall be operable at all times from within without the use of keys or any special knowledge or effort when the space is occupied.

Section 402.5.10.4 Limitations: When two (2) or more exits are required, not more than one-half of the exits may be equipped with horizontal sliding or vertical rolling grills or doors.

- I. Section 402.5.11 through 402.5.11.2, add to read:

Section 402.5.11 Secondary exits: Each tenant space shall be provided with two (2) exits remote from each other. One exit may discharge into the mall, the other into a separate, remote, protected exitway.

Section 402.5.11.1 Small tenant spaces: Where the tenant space has an occupant load of less than 20 persons, based on the size of the tenant space, and the travel distance from the mall exterior entrance to the remote point within the tenant space does not exceed 150 feet, a secondary exit is not required.

Section 402.5.11.2 Security grill-sole exit: A security grill may not serve as the sole exit."

- J. Section 402.12 shall be deleted in its entirety and the following inserted therefor:

"402.12 Smoke Control: Ventilation systems shall be capable of providing not less than six (6) air changes per hour for the volume of the tenant spaces and the mall. Ventilating systems shall exhaust smoke from the point of development. Design shall be in accordance with Section 921.0."

- K. Sections 403.1 and 403.2 shall be deleted in their entirety and the following inserted therefor:

"403.1 Applicability: The provisions of this section shall apply to all buildings, any part thereof which is located more than thirty-five (35) feet above the lowest level of fire department vehicle access."

- L. Section 404.2 and the exception thereto shall be deleted in their entirety and the following inserted therefor:

"404.2 Automatic Sprinkler System: The atrium and all stories and floor areas connected to the atrium shall be equipped throughout with an automatic sprinkler system in accordance with Section 906.2.1. The automatic sprinkler system shall be supervised in accordance with Section 923.1, method 1 or 2."

- M. Section 408.3.1 shall be deleted in its entirety and the following inserted therefor:

"408.3.1 Sprinkler system: All public garages shall be equipped throughout with an automatic sprinkler system in accordance with Section 906.2.1."

- N. Section 420.0 Mobile Units is hereby deleted in its entirety and the following substituted therefor:

"Section 420.0 Mobile Units.

420.1 General: A mobile unit is a structure of vehicular, portable design, built on a chassis and designed to be moved from one site to another, and to be used without a permanent foundation. All such units shall meet the provisions of this code."

- O. Section 502.1 General - the definitions for "Basement" and "Grade Plane" are deleted and the following inserted therefor:

"Basement: A basement is defined as a story whose floor is more than four feet below the average grade plane."

Grade Plane: A reference plane representing the average finished ground level adjoining the building at all exterior walls."

- P. Section 506.3 is hereby deleted in its entirety and the following inserted therefor:

"506.3 Automatic Sprinkler System: Where a building, other than those with an occupancy in Use Groups H-1, H-2, H-3, or H-4, is equipped throughout with an automatic sprinkler system installed in accordance with Section 906.2.1, the area limits specified in Table 501 shall be increased 300 percent for one and two story buildings and 200 percent for buildings more than two stories in height."

- Q. Sections 506.5 and 506.5.1 shall be appended to Section 506.0 and shall read as follows:

"506.5 Combustible Construction (Types 5A and 5B): Buildings, including those attached to each other, of Type 5A or 5B construction shall be limited to 10,000 square feet gross area of all floors.

"506.5.1 Building Separation: This shall include the gross area of those buildings not separated by a distance of 30 feet or more and shall include those separated by fire walls."

- R. Section 507.1 and the exceptions thereto shall be deleted in their entirety and the following inserted therefor:

"507.1 One Story Buildings: For all occupancies other than Use Groups A-1, A-2, A-4, A-5, E, H, I-1, I-3, and R, the area of the buildings that do not exceed one story and 85 feet in height, other than buildings of Type 5 construction, shall not be limited, provided that the building is equipped throughout with an automatic sprinkler system in accordance with Section 906.2.1; and the building is isolated as specified in Table 507.2. Buildings with an occupancy in Use Group I-2 shall not be constructed of Type 3B construction. Fire areas of Use Group E are permitted in unlimited area buildings in accordance with Section 507.1.1. Fire areas of Use Groups H-1, H-3, and H-4 are permitted in unlimited area buildings in accordance with Section 507.1.2."

- S. Section 507.3 shall be appended to Section 507 and shall read as follows:

"507.3 Fire Access Panels: Grade level doors shall be provided and spaced not more than 150 feet apart in exterior walls."

T. Table 602 shall be deleted in its entirety and Exhibit A attached shall be inserted therefor.

U. Table 705.2 is hereby deleted and the following inserted therefor:

"  
Table 705.2  
Exterior Fire Wall Resistance Ratings

<u>Fire Separation in Feet</u>	<u>Required Fire Resistance Rating</u>
Firewall	4 hours
0-5 feet	3 hours
5-10 feet	2 hours
10-30 feet	1 hour
over 30 feet	0 hours

Exception: Except as modified by Table 507.2"

V. Table 705.3 note f shall be appended thereto and shall read as follows:

"note f. Classification of opening - Unprotected openings in walls of buildings with a fire separation of less than 30 feet are not permitted."

W. Section 707.1 is deleted in its entirety and the following inserted therefor:

"707.1 General: Walls shall have sufficient structural stability under fire conditions to allow the collapse of construction on either side without collapse of the wall, and shall be of an approved solid, masonry construction providing the required strength and have a fire resistance rating of not less than four (4) hours."

X. Section 803.6 shall be deleted in its entirety and the following inserted therefor:

"803.6 Carpet and Carpet-like Wall Coverings: Textile wall coverings having a napped, tufted, looped, woven, nonwoven or similar surface, shall comply with the following testing standard: Such materials shall be tested in accordance with an 8-foot by 12-foot by 8-foot high room/corner fire test procedure using a product-mounting system, including adhesive, representing actual installation. Prior to testing, the

sample shall be conditioned at 70 degrees F. (21 degrees C.)  $\pm$  5 percent at a relative humidity of 50 percent  $\pm$  5 percent until the sample reaches a rate of weight of change of less than 0.1 percent per day. The product shall be exposed to the flame from a gas diffusion burner for 15 minutes. The fire exposure shall be 40 kw for the first 5 minutes, followed by an exposure of 150kw for an additional 10 minutes. Such tests shall demonstrate that a product will not spread fire to the edge of the specimen or cause flashover in the test room."

- Y. Section 904.1 is hereby deleted in its entirety and the following inserted therefor:

"904.1 Where Required: An automatic fire suppression system shall be installed and maintained in full operating condition in all buildings having a gross (total all floors) area exceeding 7,500 square feet; all buildings exceeding two (2) stories, or 30 feet, in height; all buildings of Types 2C, 3B, 5A, and 5B construction; in all basements exceeding 2,500 square feet; and in all locations described in Sections 904.2 through 904.11."

- Z. Section 904.6 is hereby deleted and the following inserted therefor:

"904.6 Use Group I: An automatic fire suppression system shall be provided throughout all buildings with a Use Group I fire area."

- AA. Section 904.8 is hereby deleted and the following inserted therefor:

"904.8 Use Group R-1: An automatic fire suppression system shall be provided throughout all buildings with a Use Group R-1 fire area in accordance with Section 906.2.1 or 906.2.2."

- BB. Section 904.9 is hereby deleted and the following inserted therefor:

"904.9 Use Group R-2: An automatic fire suppression system shall be provided throughout all buildings with an occupancy in Use Group R-2 in accordance with Section 906.2.1."

- CC. Section 904.10 - Exception: This exception is deleted in its entirety.

- DD. Sections 906.2.2 through 906.2.3 are hereby deleted in their entirety.



- EE. Section 906.5 is hereby deleted in its entirety and the following inserted therefor:

"906.5 Sprinkler Alarms: Approved audible and/or audio/visual alarms shall be connected to every water sprinkler system. Such alarm devices shall be activated by water flow and shall be located in an approved location on the exterior of the building and additional audio/visual alarm devices shall be installed within the building and located in accordance with the provisions of the Code therefor."

- FF. Section 907.2.1 is hereby deleted in its entirety and the following inserted therefor:

"907.2.1 Within a Fire Area: A limited area sprinkler system shall be permitted within one fire area provided that five (5) sprinkler heads or less are required based on the limitations of NFPA 13 listed in Chapter 35."

- GG. Section 915.1 is hereby deleted in its entirety and the following inserted therefor:

"915.1 Required: All required water extinguishing and standpipe systems shall be provided with a fire department connection in accordance with the applicable standards. Standpipes in buildings under construction or demolition shall conform to Section 3305.3 of this Code.

Exceptions:

1. Limited area sprinkler systems supplied from the domestic water system shall not require a fire department connection.
2. This requirement shall allow the local fire department to approve a single connection for large diameter supply hose of not less than four (4) inch inside diameter with appropriate adapting hardware."

- HH. Section 917.4.7 is hereby appended to Section 917 and shall read as follows:

"917.4.7 Other Uses: A fire protection signaling system shall be installed and maintained in all other buildings over one story in height or over 1,250 square feet."

- II. Section 917.5 is hereby deleted in its entirety and the following inserted therefor:

"917.5 Location: Manual fire alarm boxes (pull-stations) shall be located not more than 5 feet from the entrance to each exit."

- JJ. Section 918.4.5 shall be appended to Section 918 and shall read as follows:

"918.4.5 Other Uses: An automatic fire detection system shall be provided at all buildings required to have a fire protective signaling system (sections 917.4 through 917.4.7)."

- KK. Section 920.0 Fire Extinguishers is hereby deleted in its entirety.

- LL. Section 921.0 Smoke Control Systems is hereby deleted in its entirety and the following inserted therefor:

"921.0 Smoke Control Systems."

"921.1 Where Required: An emergency smoke control system is required:

1. In all sprinklered buildings with a gross (total all floors) floor area 40,000 square feet or more, or
2. In all nonsprinklered buildings with a gross floor area of 7,500 square or more, or
3. In all buildings over 3 stories or 35 feet in height, or
4. In buildings with multi-storied atriums, or
5. In covered malls including anchor stores and tenant spaces.

921.2 Design Criteria: Mechanical or gravity venting may be utilized. Mechanical venting shall provide not less than six air changes per hour. Gravity venting shall conform to nationally accepted practices based upon the anticipated smoke production and cubic area to be vented. For ordinary hazards gravity roof venting shall not be less than a 1:100 factor, and such vents shall be spaced not more than 120 feet on centers."

"921.2.1 Controls: The location and design shall be approved by the Fire Department."

- MM. Sections 923.1 through 923.2 are deleted in their entirety and the following inserted therefor:

"923.1 Fire Suppression Systems: All automatic fire suppression systems required by this Code shall be supervised by one of the following methods:

1. Approved central station system in accordance with NFPA 71 listed in Chapter 35, or
2. Approved proprietary system, approved remote-station system, or approved supervisory service which will cause an actuation of an audible appliance at a constantly attended location, in accordance with NFPA 72 listed in Chapter 35.

Exceptions: The following shall not require supervision as otherwise required herein:

- a. Underground gate valves with roadway boxes.
- b. Halogenated extinguishing systems that are not an integral part of a required automatic fire suppression system.
- c. Carbon Dioxide extinguishing systems that are not an integral part of a required automatic fire suppression system.
- d. Dry and wet chemical extinguishing systems that are not an integral part of a required automatic fire suppression system.
- e. Limited area sprinkler systems as noted in Section 907.6.3.

923.2 Fire Protective Signaling Systems: All required fire protective signaling systems shall transmit alarm and trouble signals to an approved central-station, proprietary system, or remote-station system, and shall be approved by the Fire Department."

NN. Sections 1006.4.1 through 1006.4.1.1 are hereby deleted in their entirety and the following inserted therefor:

"1006.4.1 Remoteness: Where two exits or two exit access doors are required, each shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served. Where exit enclosures are provided as a portion of the required means of egress and are interconnected by a corridor conforming to the requirements of corridor construction, the exit separation distance shall be measured along the line of travel within the corridor. In all other cases, the separation distance shall be measured in a straight line between exits or exit access doors.

1006.4.1.1 Three or more: Where three or more exits or exit access doors are required, at least two exits or exit access doors shall be separated as provided for in Section 1006.4.1."

- OO. Section 1010.2 is hereby deleted in its entirety and the following inserted therefor:

"1010.2 Minimum Number: Every floor area and every room or space shall be provided with the minimum number of approved independent exits as required by Table 1010.2, except as modified in Section 1010.3.

Table 1010.2  
Minimum Number of Exits for Occupant Load

<u>Occupant Load</u>	<u>Minimum Number of Exits</u>
500 or less	2
501 - 1,000	3
Over 1,000	4

- PP. Section 1010.3 is hereby deleted in its entirety and the following inserted therefor:

"1010.3 Buildings with one exit: Small occupancies in all Use Groups excepting H, I, and R-1, which are not over one story in height and having an occupant load of twenty (20) or less and which have a travel distance to the exit of 75 feet or less may have one exit.

1010.3.1 Use Groups H, I, and R-1 - Minimum Exits Required: Occupancies in Use Groups H, I, and R-1 shall require a minimum of two exits."

- QQ. Section 1017.2 , including Table 1017.2, is hereby deleted and the following inserted therefor:

"1017.2 Number of Doorways: Each occupant of a room or space shall have access to at least two exits or exit access doors from the room or space, excepting where the occupant load and other conditions are in accordance with Section 1010.3, then one exit or exit access is allowed."

- RR. Section 1017.4.1 is modified by deleting Exceptions 5, 6, and 7 thereunder.

- SS. Section 1017.4.1.2 Special Locking Arrangements - is hereby deleted in its entirety.

TT. Section 1017.4.5.1 is hereby appended to Section 1017.4.5 and shall read as follows:

"1017.4.5.1 Limitation on Use: Section 1017.4.5 shall be considered on a case by case basis and shall only be allowed after a thorough review by the Building Official and Fire Chief, and then only after demonstration by the occupant that such a system is a necessity and no alternatives are available."

UU. Section 3103.0 - Membrane Structures - is hereby deleted in its entirety as such structures are not permitted.

VV. Section 3104.0 - Temporary Structures - is hereby deleted in its entirety as such structures, as defined, are not permitted, except as may be provided for elsewhere by ordinance.

WW. Section 3402.3 is hereby deleted and the following inserted therefor:

"3402.3 Fire Escapes: Existing fire escapes shall be permitted as a component in the means of egress in existing structures in accordance with Section 1025.0 so long as such fire escape is properly maintained and provided that such fire escape shall be examined by a structural engineer who shall then submit a report as to such fire escapes fitness for use and structural integrity. A similar examination must be conducted and a like report shall be submitted each three years thereafter to the Building Official to allow the continued use of such fire escape."

XX. Section 3402.4 is hereby deleted and the following inserted therefor:

"3402.4 Slidescapes: Slidescapes and safety chutes shall not be permitted as a component in the means of egress in existing structures in accordance with Section 1025.0."

YY. Section 3402.7 is hereby deleted and the following inserted therefor:

"3402.7 Accessibility: The design for accessibility shall comply with Section 1110.0 and applicable provisions of the laws of the State of Illinois and the laws of the United States."

ZZ. Section 3403.1.1 is hereby appended to Section 3403.1 and shall read as follows:

"3403.1.1 Fire Alarm Systems - Extension/Installation: Any addition or additions to an existing structure shall require that an existing fire alarm system be extended to provide alarm protection to such addition; and, any such addition or additions, if no fire alarm system presently exists, that will individually or in aggregate exceed 200 square feet shall require the installation of a fire alarm system throughout the entire existing building and addition thereto."

AAA. Section 3404.1 is hereby deleted and the following inserted therefor:

"3404.1 Approval: The provisions of this chapter shall not be deemed to prohibit alterations within the limitations of Chapter 15.101 of the Municipal Code adopted by the City of St. Charles, provided that no unlawful change of use or occupancy is involved."

BBB. Section 3404.2.1 is hereby deleted and the following inserted therefor:

"3404.2.1 HPM Facilities: Alteration that shall result in a space being used as a HPM facility when such space was not formerly used for the same is not permitted."

CCC. Section 3406.1 is hereby deleted in its entirety and the following inserted therefor:

"3406.1 Compliance: The provisions of this code relating to the construction, repair, alteration, restoration and movement of structures shall not be mandatory for existing buildings and structures identified and classified by the federal, state, or local government authority as historic buildings where such buildings are judged by the Building Official and the Fire Chief to be safe and in the interest of public health, safety and welfare regarding any proposed construction, alteration, repair, restoration and movement. The provisions contained in the Life Safety Code, NFPA 101, for existing buildings shall apply in all cases."

DDD. Section 3408.2 is hereby modified for purposes of inserting the effective date required and applicable structure definitions and shall now read as follows:

"3408.2 Applicability: Structures existing prior to June 1, 1993, in which there is work involving alterations or changes of use or occupancy, shall be made to conform to the requirements of this section or the provisions of Sections 3403.0 through 3407.0."

The provisions in Sections 3408.2.1 through 3408.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Use Groups A-4, B, M, or R-4. These provisions shall not apply to use groups A-1, A-2, A-3, E, F, H, I, R-1, R-2, R-3, and S."

EEE. Section 3408.4 is hereby deleted and the following inserted therefor:

"3408.4 Investigation and Evaluation: The Code Official shall investigate and evaluate the subject building for all proposed work covered by this section and may request the assistance of other City agencies in such investigation and evaluation. The building owner shall be responsible for submitting all documents and reports required by the Building Official, including but not limited to evaluation by a structural engineer or architect as the case may be from time to time, submittal of documents such a plats of survey, and three (3) complete sets of plans of the proposed work.

3408.4.1 Results of Evaluation Process: The results of the investigation and evaluation carried out under Sections 3408.6 through 3408.9.1 shall be reduced to writing on a form generally similar to Table 3408.7, Summary Sheet - Building Score, and shall be made available upon request. As an objective evaluation conducted under the specific provisions of this Code, this document is not subject to appeal as provided elsewhere in this Code. Matters of applicability may still be appealed."

15.04.030 Mechanical Code; Adopted and Modified.

The provisions of the Eighth edition of the BOCA NATIONAL MECHANICAL CODE/1993 compiled and printed by the Building Officials and Code Administrators International, Inc. 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, not less than three copies of each which have been and now are filed in the Office of the Clerk of the City of St. Charles, Illinois for more than thirty days are hereby adopted together with the special regulations listed below modifying said BOCA NATIONAL MECHANICAL CODE/1993 as the regulations governing mechanical installations in the buildings in the City of St. Charles, Illinois.

- A. Article 1 - Administration and Enforcement - is hereby deleted as the City has adopted a separate Administrative Code under Municipal Code Chapter 15.101.

Section M 803.11 Interior gas piping systems utilizing corrugated stainless steel tubing (conduit) - is deleted in its entirety.

- B. Section M 803.12 Identification - is to be re-numbered to Section M 803.11.

15.04.040 National Electrical Code; Adopted and Modified.

The provisions of the 1993 edition of the NATIONAL ELECTRIC CODE, NFPA No. 70, adopted by the National Fire Protection Association, One Batterymarch Park, Quincy, Massachusetts 02269, not less than three copies of which have been and now are filed in the Office of the City Clerk of the City of St. Charles, Illinois for more than thirty days are hereby adopted.

2. This ordinance shall be in full force and effect from and after its passage in accordance with law and this ordinance is authorized to be printed or published in book or pamphlet form by the authority of the City Council.

PRESENTED to the City Council of the City of St. Charles, Illinois, this 1st day of November, 1993.

PASSED by the City Council of the City of St. Charles, Illinois, this 1st day of November, 1993.

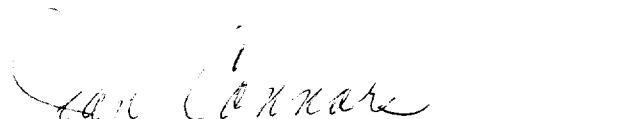
APPROVED by the Mayor of the City of St. Charles, Illinois, this 2nd day of November, 1993.

  
\_\_\_\_\_  
Mayor

ATTEST:

COUNCIL VOTE:

Ayes: 12  
Nays: 0  
Absent: 2

  
\_\_\_\_\_  
City Clerk



# EXHIBIT "A"

## Table 602 FIRERESISTANCE RATINGS OF STRUCTURE ELEMENTS<sup>1</sup>

Structure element  Note a		Type of construction: Section 602.0								
		Noncombustible					Noncombustible/Combustible		Combustible	
		Type 1 Section 603.0		Type 2 Section 603.0			Type 3 Section 604.0		Type 4 Section 605.0	Type 5 Section 606.0
		Protected		Protected		Unprotected	Protected	Unprotected	Heavy timber: Note c	Protected    Unprotected
		1A	1B	2A	2B	2C	3A	3B	4	5A    5B
1 Exterior walls	Loadbearing	4	3	2	1	0	2	2	2	1    0
	Nonloadbearing	Not less than the fire resistance rating based on fire separation distance (see Section 705.2)								
2 Fire walls and party walls (Section 707.0)		4	4	4	4	4	4	4	4	4
		Not less than the fire resistance rating required by Table 707.1								
3 Fire separation assemblies (Section 709.0)	Fire enclosure of exits (Sections 1014.11, 709.0 and Note b)	2	2	2	2	2	2	2	2	2
	Shafts (other than exits) and elevator hoistways (Sections 709.0, 710.0 and Note b)	2	2	2	2	2	2	2	2	1    1
	Mixed use and fire area separations (Section 313.0)	Not less than the fire resistance rating required by Table 313.1.2								
	Other separation assemblies (Note i)	1	1	1	1	1	1	1	1	1
4 Fire partitions (Section 711.0)	Exit access corridors (Note g)	Not less than the fire resistance rating required by Section 1011.4								
	Tenant spaces separations (Note f)	1	1	1	1	1	1	1	1	1
5 Dwelling unit separations (Sections 711.0, 713.0 and Notes f and j)		Note d								
6 Smoke barriers (Section 712.0 and Note g)		1	1	1	1	1	1	1	1	1
7 Other nonloadbearing partitions		0	0	0	0	0	0	0	0	0
8 Interior loadbearing walls, loadbearing partitions, columns, girders, trusses (other than roof trusses) and framing (Section 715.0)	Supporting more than one floor	4	3	2	1	0	1	0	see Sec. 605.0	1    0
	Supporting one floor only or a roof only	3	2	1½	1	0	1	0	see Sec. 605.0	1    0
9 Structural members supporting walls (Section 715.0 and Note g)		3	2	1½	1	0	1	0	1	1    0
		Not less than fire resistance rating of wall supported								
10 Floor construction including beams (Section 713.0 and Note h)		3	2	1½	1	0	1	0	see Sec. 605.0 Note c	1    0
11 Roof construction, including beams, trusses and framing, arches and roof deck (Section 714.0 and Notes e, i)		2	1½	1	1	0	1	0	see Sec. 605.0 Note c	1    0
		Note c								

**Note a.** For fire resistance rating requirements for structural members and assemblies which support other fire resistance rated members or assemblies, see Section 715.1.

**Note b.** For reductions in the required fire resistance rating of exit and shaft enclosures, see Sections 1014.11 and 710.3.

**Note c.** For substitution of other structural materials for timber in Type 4 construction, see Section 2304.2.

**Note d.** For fire-retardant-treated wood permitted in roof construction and nonloadbearing walls where the required fire resistance rating is 1 hour or less, see Sections 603.2 and 2310.0.

**Note e.** For permitted uses of heavy timber in roof construction in buildings of Types 1 and 2 construction, see Section 714.4.

**Note f.** For reductions in required fire resistance ratings of tenant separations and dwelling unit separations, see Sections 1011.4 and 1011.4.1.

**Note g.** For exceptions to the required fire resistance rating of construction supporting exit access corridor walls, tenant separation walls in covered mall buildings, and smoke barriers, see Sections 711.4 and 712.2.

**Note h.** For buildings having habitable or occupiable stories or basements below grade, see Section 1006.3.1.

**Note i.** Not less than the rating required by this code.

**Note j.** For Use Group R-3, see Section 310.5.

**Note k.** Fire resistance ratings are expressed in hours.

**Note l.** 1 foot = 304.8 mm.

STATE OF ILLINOIS )  
 ) SS.  
COUNTIES OF KANE AND DUPAGE )

# C E R T I F I C A T E

I, JEAN M. CONNORS, certify that I am the duly elected and acting municipal clerk of the city of St. Charles, Kane and DuPage Counties, Illinois.

I further certify that on November 1, 1993, the Corporate Authorities of such municipality passed and approved Ordinance No. 1993-M-59, entitled

An Ordinance Amending Title 15 "Building and Construction" Chapter 15.04 "Building Code" of the St. Charles Municipal Code,

which provided by its terms that it should be published in pamphlet form.

The pamphlet form of Ordinance No. 1993-M-59, including the Ordinance and a cover sheet thereof was prepared, and a copy of such Ordinance was posted in the municipal building, commencing on November 5, 1993, and continuing for at least ten days thereafter. Copies of such Ordinance were also available for public inspection upon request in the office of the municipal clerk.

**DATED** at St. Charles, Illinois, this 2nd day of November, 1993.

Juan M. Conner  
Municipal Clerk

(S E A L)